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PATENT

3

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Stephen A. BAGSHAW
Assignee: ATI Technologies, Inc.
Title: METHOD AND SYSTEM FOR ENCRYPTION
Patent No.: 7,089,426 B1 Issued: August 8, 2006
Atty. Docket No.: 1376-0000920

MS: Certificate of Correction Branch
COMMISSIONER FOR PATENTS
PO Box 1450
Alexandria, VA 22313-1450

**REQUEST FOR CERTIFICATE OF CORRECTION OF PATENT—
PTO MISTAKE (37 C.F.R. § 1.322(a))**

Certificate
SEP 29 2006
of Correction

Dear Sir:

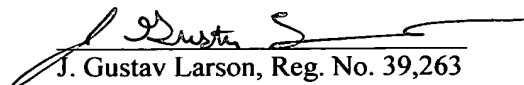
Pursuant to 35 U.S.C. § 254 and 37 C.F.R. § 1.322(a), please issue a Certificate of Correction in the above-identified matter. The mistakes to be corrected were made by the Office.

1. Attached hereto, in duplicate, is Form PTO-1050, with at least one copy suitable for printing.
2. The exact pages where the errors are shown correctly in the application file:
Amendment After Allowance dated July 20, 2005; Page 4, Claim 17 (renumbered Claim 13); Page 5, Claim 24 (renumbered Claim 17)
3. Please send the Certificate to:

J. GUSTAV LARSON
LARSON NEWMAN ABEL POLANSKY & WHITE, L.L.P.
5914 WEST COURTYARD DRIVE, SUITE 200
AUSTIN, TEXAS 78730

Respectfully submitted,

9-25-06
Date


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OCT 03 2006

**UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION**

PATENT NO : 7,089,426 B1

DATED : August 8, 2006

INVENTOR: : Stephen A. BAGSHAW

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 8, Line No. 63, change "The a video" to --The video--

Column 9, Line No. 23, change "fist" to --first--

MAILING ADDRESS OF SENDER:

Larson Newman Abel Polansky & White, LLP
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PATENT NO. 7,089,426 B1

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This collection of information is required by 37 CFR 1.322, 1.323, and 1.324. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1.0 hour to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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**UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION**

PATENT NO : 7,089,426 B1

DATED : August 8, 2006

INVENTOR: : Stephen A. BAGSHAW

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Column 8, Line No. 63, change "The a video" to --The video--

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CCT 08 2006



PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Stephen A. BAGSHAW
Title: METHOD AND SYSTEM FOR ENCRYPTION
App. No.: 09/669,352 Filed: 9/26/2000
Examiner: HO, Thomas M. Group Art Unit: 2134
Customer No.: 34456 Confirmation No.: 4574
Atty. Dkt. No.: 1376-0000920

Mail Stop ISSUE FEE
Commissioner for Patents
PO Box 1450
Alexandria, VA 22313-1450

AMENDMENT AFTER ALLOWANCE (37 C.F.R. §1.312)

Dear Sir:

This Amendment is being submitted following the Notice of Allowance mailed on May 19, 2005 and prior to payment of the issue fee.

Claim Amendments begin on page 2.

Remarks begin on page 7.

CERTIFICATE OF TRANSMISSION/MAILING	
I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail, in an envelope addressed to the Commissioner for Patents on <u>7/26/05</u> .	
<u>Judy Carey</u> Typed or Printed Name	<u>[Signature]</u> Signature

IN THE CLAIMS:

Please amend claims 7, 12, 24 and 35 and cancel claim 19 as indicated in the following:

1. (Previously Presented) A method comprising:
establishing an encrypted link between a peripheral device and a software component of
an information handling system, wherein establishing the encrypted link includes
generating a first seed key common to both the peripheral device and the software
component;
providing the first seed key and a public encryption key associated with the peripheral
device to a video controller; and
generating at the video controller, using the first seed key and the public encryption key,
a second seed key different from the first seed key, the second seed key to encrypt
communications between the software component and the video controller.
2. (Original) The method as in Claim 1, wherein generating the first seed key is
performed by the software component.
3. (Original) The method as in Claim 2, wherein generating the first seed key includes:
using the public encryption key associated with the peripheral device to select a plurality
of private encryption keys associated with the software component; and
determining the seed key based upon the selected private keys associated with the
software component.
4. (Original) The method as in Claim 1, wherein generating the first seed key is
performed by the peripheral device.
5. (Original) The method as in Claim 4, wherein generating the first seed key includes:
using the public encryption key associated with the software component to select from a
plurality of private encryption keys associated with the peripheral device; and
summing the select private keys associated with the peripheral device.
6. (Canceled)

6
X (Currently Amended) The method as in Claim 1, further including:
 providing the public encryption key associated with the peripheral device and a private
 decryption key[[,]] associated with the software component[[,]] to the video
 controller; and
 providing public key encryption between the video controller and the peripheral device.

8. (Canceled)

9. (Canceled)

10. (Canceled)

7
X (Original) The method as in Claim 1, wherein the peripheral device is a display
 device.

8
X (Currently Amended) The method as in Claim 1, wherein ~~the step of~~ establishing
 further includes the first seed key being based upon the peripheral device and the information
 handling system.

9
X (Original) The method as in Claim ~~12~~ 8, wherein the first seed key is unique to the
 peripheral device and the information handling system.

10
X (Previously Presented) A video controller comprising:
 a bus connection to receive a first seed key from a software component within an
 information handling system;
 a digital communications connector to connect to a peripheral device and to receive a
 public encryption key from said peripheral device;
 a first set of registers to store said first seed key, said first seed key common to both said
 information handling system and said peripheral device;
 a second register to store said public encryption key; and
 a processing circuit to generate, using said first seed key and said public encryption key,
 a second seed key different from said first seed key, said second seed key to

encrypt communications between said software component and said video controller.

11 ~~11~~ (Previously Presented) The video controller as in Claim ~~10~~ 10, wherein said information handling system generates said first key and wherein generation of said first key includes:
using said public encryption key to select a plurality of private encryption keys; and
combining said selected private encryption keys.

12 ~~12~~ (Previously Presented) The video controller as in Claim ~~10~~ 10, wherein communications between said video controller and said information handling system are performed over a system bus.

13 ~~13~~ (Previously Presented) The video controller as in Claim ~~12~~ 12, wherein said system bus is a Peripheral Component Interconnect bus.

14 ~~14~~ (Previously Presented) The video controller as in Claim ~~10~~ 10, wherein said digital communications connector is a Digital Video Interface connector.

19. (Canceled)

16 ~~16~~ (Previously Presented) The video controller as in Claim ~~10~~ 10, wherein said peripheral device is a display device.

21.- 23. (Canceled)

17
~~24~~ (Currently Amended) A system comprising:

a processor coupled to a system bus;

memory coupled to said system bus for use by said processor;

a collection of instructions to be stored in said memory and executed by said processor,
 said collection of instructions including instructions to establish an encrypted link
 between said system and a peripheral device, wherein establishing said encrypted
 link includes generating a first seed key common to both said peripheral device
 and said system, said collection of instructions further including instructions to
 deliver said first seed key to a video controller; and

[[a]] said video controller including:

a bus connection to receive said first seed key;

a digital communications link to connect to said peripheral device and to receive a
 public encryption key from said peripheral device;

a first set of registers to store said first seed key;

a second register to store said public encryption key; and

a processing circuit to generate, using said first seed key and said public
 encryption key, a second seed key different from said first seed key, said
 second seed key to encrypt communications between said system and said
 video controller.

18
~~24~~ (Original) The system as in Claim ~~24~~, wherein said memory includes random access
 memory and read-only memory.

19
~~24~~ (Original) The system as in Claim ~~24~~, wherein generating a first seed includes:
 using said public encryption key to select a plurality of private encryption keys; and
 combining said selected private encryption keys.

20
~~24~~ (Original) The system as in Claim ~~24~~, wherein said public encryption key and said
 plurality of private encryption keys are located in said memory.

21
28. (Original) The system as in Claim 24, wherein said system bus is a Peripheral Component Interconnect bus:-

22
29. (Original) The system as in Claim 24, wherein said digital communications link is a Digital Video Interface connector.

30. (Canceled)

23
31. (Original) The system as in Claim 24, wherein said peripheral device is a display device.

24
32. (Original) The system as in Claim 24, wherein encryption is performed using an orthogonal transformation.

33. – 34. (Canceled)

25
35. (Currently Amended) The system as in Claim 24, wherein the digital communications [[link]]connector is to receive a public encryption key from said peripheral device and to transmit encrypted digital data to said peripheral device.

REMARKS

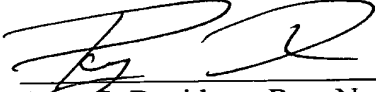
Claims 7, 12, 24 and 35 have been amended to correct various informalities and claim 19 has been canceled because it is redundant. The amendments to the claims do not change the scope of the claims. Entry thereof is therefore respectfully requested.

Should the Examiner deem that any further action by the Applicant would be desirable for placing this application in even better condition for issue, a call to the Applicant's representative listed below is requested.

The Commissioner is hereby authorized to charge any fees that may be required, or credit any overpayment, to Deposit Account Number 50-0441.

Respectfully submitted,

20 July 2005
Date


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